

Task Order for Laboratory Assistance		Initial Task Order (CO # 0)	
MassDEP Bureau of Waste Site Cleanup - LSS Contract			
Includes Attachment 1 that provides the list of analytes for this order; Attachment 2 that provides the approved "Other Support Costs" for this order.			
LSS Contract Laboratory	Alpha Analytical, Inc., 8 Walkup Drive, Westborough, MA 01581 Attn: James Occhialini		
Lab Phone, Fax, e-mail	Phone: 508-380-8618 Fax: 508-898-9220 email:jocchialini@alphalab.com		
DEP Requestor (name):	Tom McGrath	DEP Order Date:	26-Feb-2018
RTN Number(s), if applicable		DEP Proj. No.	101869.00
Type of Order	Date	DEP POC	Tom McGrath
Initial Budget	26-Feb-18	DEP Region	Boston BAW
Site/Proj Name / Address:	BAW - Weymouth Fore River		Ph. # POC: 978-242-1318
			e-mail POC: thomas.mcgrath@state.ma.us
Approved Budget Summary			
DEP Cost Adjustments (Non-analytical)	Initial (CO # 0) = \$ 0	Total Cost Adjustments	\$0.00
\$ This Order Only	History of Budget Changes	Total Approved Budget	
\$17,150.00	Initial (CO # 0) = \$ 17150	\$17,150.00	
Summary of Samples to be Analyzed			
# Samples This Order Only	History of # Samples Sent for Analysis	Total Approved Samples for Analysis	
49	Initial (CO # 0) = 49	49	
Summary of Analyses (see Analyte Order Sheet for Required Analyses)			
# Analyses This Order	History of # Analysis for this Project	Total Approved Analysis for this Project	
147	Initial (CO # 0) = 147	147	
Environmental media of the samples			
ambient air			
Additional information and/or special instructions.			
Contact Tom McGrath to coordinate sampling event and canister drop-off, sample pickup. Event tentatively planned to begin in May 2018			
Contract Status of Ordered Analyses and Description of Approved Non-Contract Analyses			
All analyses in the approved unit price list. Not Applicable			
Data Report Transmittal Information (E-mail or Website Posting Optional)			
Send Data Analysis/Report to following DEP Person:	Same as POC listed above.		
Address of DEP report recipient:	Same as POC listed above.		
Invoice Instructions			
Lab to Submit Original of Invoice to:	MA Department of Environmental Protection, One Winter Street, Boston, Massachusetts 02108 Attn: Cathy Kiley (6th Fl)		
E-mail or hard copies of Complete Invoice to:	cathy.kiley@state.ma.us and ap.madepbwsc@state.ma.us		
MassDEP Authorized Approval for this Order			
Name:	Cathy Kiley		Date: 3/26/18

<b>MassDEP LSS Contract</b>		<b>Attachment 1 - Analyses for Initial Task Order (CO # 0)</b>			
<b>Site/Project Name:</b>		BAW - Weymouth Fore River			
<b>DEP Proj. #</b>	101869.00	<b>Date of Request</b>	26-Feb-18	<b>RTN(s)</b>	
<b>Laboratory Selected:</b>	Alpha Analytical, Inc., 8 Walkup Drive, Westborough, MA 01581 Attn: James Occhialini				

Analyses with Standard Contract Unit Prices (Values in parenthesis are negative amounts)									
DEP Code	Analyses Ordered This Order Only	Turn Around Time (TAT)	Samples and Analyses This Order					Contract Unit Price per Analysis	Total Price for Analyses this Order
			# of Samples to be Analyzed	# of Field Dup's	# of Trip Blanks	# Lab QC	# of Analyses this Order		
IAS 3	TO-15 (with selective ion monitoring); TO-15	11-15 days	49				49	\$230.00	\$11,270.00
IAS 6	Canister cleaning (individual certification; TO-15/APH	11-15 days	49				49	\$100.00	\$4,900.00
IAS 11	Flow controller rental for canisters; TO-15/APH	11-15 days	49				49	\$20.00	\$980.00
Std. Analyses Balance this Order Only								\$17,150.00	

Analyses Non-Standard Prices							
Description of Analyses	# of Smpl Analy	# Field Dup Analyses	# Trip Blank Analyses	# Lab QC Analyses	# of Analyses This Order	Cost Per Analyses	Total (\$) This Order

MassDEP LSS Contract		Request for Lab Services Approval		Initial Task Order (CO # 0)	
Region/Project Name:	Boston BAW	BAW - Weymouth Fore River			
DEP Proj. #	101869.00	Date of Request	26-Feb-18	RTN(s)	
DEP Requestor	Tom McGrath	Laboratory Selected:	Alpha Analytical, Inc., 8 Walkup Drive, Westborough, MA 01581 Attn: James Occhialini		
<b>Summary Description of the Scope and Purpose for this Request for Laboratory Services</b>					
MassDEP to collect air samples at 5 locations as part of Fore River Health Impact Assessment; samples will be collect at each location for 7 24-hr events (one day per week). Also, one duplicate and field blank will also be collected at one location. Total of 49 canisters and flow controllers. Request certified canisters. All samples to be analyzed for VOCs by EPA TO15 SIM.					
<b>Controversial or Other Non-technical issues with the work/site.</b>					
No significant issues.					
Is this Request part of a Regional Lab Services Budget?		Not Applicable		If "Yes", Regional Budget remaining prior to this Request.	
Budget History (See Budget Summary for details):	Initial (CO # 0) = \$ 17150		\$ This Request:	\$17,150.00	Total Budget: \$17,150.00
<b>Justification/Rationale for Spending Public Funds for this Sampling/Analyses</b>		Special Project - Work is a special project required of DEP.BAW project - part of Fore River Health Impact Assessment Study			
<b>Status of Prior Environmental Work at this Site (Type of work, by whom and what was done.)</b>					
<b>Prior DEP Spending at the Site</b>		<b>Prior Funding Source</b>		<b>Funding Source -This Request</b>	
				2200-7021 EQEE026FR	
				2200-7021 EQEE026FR	
<b>Status of NOR or NORA for this Request, and recipients if applicable:</b>					
Not applicable					
<b>NOR/NORA Issuing Dates, if applicable</b>					
<b>Explanation for no NOR, or, Results</b>		BAW arranging access and secure locations /			
<b>Enforcement Actions</b>	Not applicable			<b>Date Latest Enf. Action</b>	
<b>Cost Recovery Status of this site.</b>	Not applicable. / BAW - part of Fore River Health Impact Assessment				
<b>Additional Cost Recovery Comments/Instructions</b>					
<b>Additional Comments by:</b>				<b>Date:</b>	
<b>MassDEP Approvals for Request</b>					
<b>Title of DEP Approval Authorities</b>	<b>Approval Required?</b>	<b>Name of Approver</b>		<b>Signature/date or e-signature of Approver</b>	
Project/Task Manager	Yes	<del>see RLA</del>		Tom McGrath	
Division Regional Director	Yes	<del>see RLA</del>		Glenn Keith	
LSS Contract Administrator	Yes	Cathy Kiley			
Division Director of TFS	Yes	George Gardner			
Assistant Commissioner BWSC	Yes	Paul Locke		N/A	

Analysis	Detection Limit	Units	Alpha Product Code
Vinyl chloride	0.051	ug/m3	MCP-TO15-SIM
Bromomethane	0.078	ug/m3	MCP-TO15-SIM
Acetone	2.38	ug/m3	MCP-TO15-SIM
1,1-Dichloroethene	0.079	ug/m3	MCP-TO15-SIM
Methylene chloride	1.74	ug/m3	MCP-TO15-SIM
trans-1,2-Dichloroethene	0.079	ug/m3	MCP-TO15-SIM
1,1-Dichloroethane	0.081	ug/m3	MCP-TO15-SIM
Methyl tert butyl ether	0.721	ug/m3	MCP-TO15-SIM
2-Butanone	1.47	ug/m3	MCP-TO15-SIM
cis-1,2-Dichloroethene	0.079	ug/m3	MCP-TO15-SIM
Chloroform	0.098	ug/m3	MCP-TO15-SIM
1,2-Dichloroethane	0.081	ug/m3	MCP-TO15-SIM
1,1,1-Trichloroethane	0.109	ug/m3	MCP-TO15-SIM
Benzene	0.319	ug/m3	MCP-TO15-SIM
Carbon tetrachloride	0.126	ug/m3	MCP-TO15-SIM
1,2-Dichloropropane	0.092	ug/m3	MCP-TO15-SIM
Bromodichloromethane	0.134	ug/m3	MCP-TO15-SIM
1,4-Dioxane	0.36	ug/m3	MCP-TO15-SIM
Trichloroethene	0.107	ug/m3	MCP-TO15-SIM
cis-1,3-Dichloropropene	0.091	ug/m3	MCP-TO15-SIM
4-Methyl-2-pentanone	2.05	ug/m3	MCP-TO15-SIM
trans-1,3-Dichloropropene	0.091	ug/m3	MCP-TO15-SIM
1,1,2-Trichloroethane	0.109	ug/m3	MCP-TO15-SIM
Toluene	0.188	ug/m3	MCP-TO15-SIM
Dibromochloromethane	0.17	ug/m3	MCP-TO15-SIM
1,2-Dibromoethane	0.154	ug/m3	MCP-TO15-SIM
Tetrachloroethene	0.136	ug/m3	MCP-TO15-SIM
Chlorobenzene	0.461	ug/m3	MCP-TO15-SIM
Ethylbenzene	0.087	ug/m3	MCP-TO15-SIM
p/m-Xylene	0.174	ug/m3	MCP-TO15-SIM
Bromoform	0.207	ug/m3	MCP-TO15-SIM
Styrene	0.085	ug/m3	MCP-TO15-SIM
1,1,2,2-Tetrachloroethane	0.137	ug/m3	MCP-TO15-SIM
o-Xylene	0.087	ug/m3	MCP-TO15-SIM
1,3-Dichlorobenzene	0.12	ug/m3	MCP-TO15-SIM
1,4-Dichlorobenzene	0.12	ug/m3	MCP-TO15-SIM
1,2-Dichlorobenzene	0.12	ug/m3	MCP-TO15-SIM
1,2,4-Trichlorobenzene	0.371	ug/m3	MCP-TO15-SIM
Naphthalene	0.262	ug/m3	MCP-TO15-SIM
Hexachlorobutadiene	0.533	ug/m3	MCP-TO15-SIM

Analysis	Detection Limit	Units	Alpha Product Code
Vinyl chloride	0.511	ug/m3	MCP-TO15
Bromomethane	0.777	ug/m3	MCP-TO15
Acetone	2.38	ug/m3	MCP-TO15
1,1-Dichloroethene	0.793	ug/m3	MCP-TO15
Methylene chloride	1.74	ug/m3	MCP-TO15
trans-1,2-Dichloroethene	0.793	ug/m3	MCP-TO15
1,1-Dichloroethane	0.809	ug/m3	MCP-TO15
Methyl tert butyl ether	0.721	ug/m3	MCP-TO15
2-Butanone	1.47	ug/m3	MCP-TO15
cis-1,2-Dichloroethene	0.793	ug/m3	MCP-TO15
Chloroform	0.977	ug/m3	MCP-TO15
1,2-Dichloroethane	0.809	ug/m3	MCP-TO15
1,1,1-Trichloroethane	1.09	ug/m3	MCP-TO15
Benzene	0.639	ug/m3	MCP-TO15
Carbon tetrachloride	1.26	ug/m3	MCP-TO15
1,2-Dichloropropane	0.924	ug/m3	MCP-TO15
Bromodichloromethane	1.34	ug/m3	MCP-TO15
1,4-Dioxane	0.721	ug/m3	MCP-TO15
Trichloroethene	1.07	ug/m3	MCP-TO15
cis-1,3-Dichloropropene	0.908	ug/m3	MCP-TO15
4-Methyl-2-pentanone	2.05	ug/m3	MCP-TO15
trans-1,3-Dichloropropene	0.908	ug/m3	MCP-TO15
1,1,2-Trichloroethane	1.09	ug/m3	MCP-TO15
Toluene	0.754	ug/m3	MCP-TO15
Dibromochloromethane	1.7	ug/m3	MCP-TO15
1,2-Dibromoethane	1.54	ug/m3	MCP-TO15
Tetrachloroethene	1.36	ug/m3	MCP-TO15
Chlorobenzene	0.921	ug/m3	MCP-TO15
Ethylbenzene	0.869	ug/m3	MCP-TO15
p/m-Xylene	1.74	ug/m3	MCP-TO15
Bromoform	2.07	ug/m3	MCP-TO15
Styrene	0.852	ug/m3	MCP-TO15
1,1,2,2-Tetrachloroethane	1.37	ug/m3	MCP-TO15
o-Xylene	0.869	ug/m3	MCP-TO15
1,3-Dichlorobenzene	1.2	ug/m3	MCP-TO15
1,4-Dichlorobenzene	1.2	ug/m3	MCP-TO15
1,2-Dichlorobenzene	1.2	ug/m3	MCP-TO15
1,2,4-Trichlorobenzene	1.48	ug/m3	MCP-TO15
Naphthalene	1.05	ug/m3	MCP-TO15
Hexachlorobutadiene	2.13	ug/m3	MCP-TO15

	Method	Analyte	Units	Reporting Limit		Method
1	TO15	Dichlorodifluoromethane	0.989	ug/m3		TO15
2	TO15	Chloromethane	0.413	ug/m3		TO15
3	TO15	Freon-114	1.4	ug/m3		TO15
4	TO15	Vinyl chloride	0.511	ug/m3		TO15
5	TO15	1,3-Butadiene	0.442	ug/m3		TO15
6	TO15	Bromomethane	0.777	ug/m3		TO15
7	TO15	Chloroethane	0.528	ug/m3		TO15
8	TO15	Ethanol	9.42	ug/m3		TO15
9	TO15	Vinyl bromide	0.874	ug/m3		TO15
10	TO15	Acetone	2.38	ug/m3		TO15
11	TO15	Trichlorofluoromethane	1.12	ug/m3		TO15
12	TO15	Isopropanol	1.23	ug/m3		TO15
13	TO15	1,1-Dichloroethene	0.793	ug/m3		TO15
14	TO15	Methylene chloride	1.74	ug/m3		TO15
15	TO15	3-Chloropropene	0.626	ug/m3		TO15
16	TO15	Carbon disulfide	0.623	ug/m3		TO15
17	TO15	Freon-113	1.53	ug/m3		TO15
18	TO15	trans-1,2-Dichloroethene	0.793	ug/m3		TO15
19	TO15	1,1-Dichloroethane	0.809	ug/m3		TO15
20	TO15	Methyl tert butyl ether	0.721	ug/m3		TO15
21	TO15	2-Butanone	1.47	ug/m3		TO15
22	TO15	cis-1,2-Dichloroethene	0.793	ug/m3		TO15
23	TO15	Ethyl Acetate	1.8	ug/m3		TO15
24	TO15	Chloroform	0.977	ug/m3		TO15
25	TO15	Tetrahydrofuran	1.47	ug/m3		TO15
26	TO15	1,2-Dichloroethane	0.809	ug/m3		TO15
27	TO15	n-Hexane	0.705	ug/m3		TO15
28	TO15	1,1,1-Trichloroethane	1.09	ug/m3		TO15
29	TO15	Benzene	0.639	ug/m3		TO15
30	TO15	Carbon tetrachloride	1.26	ug/m3		TO15
31	TO15	Cyclohexane	0.688	ug/m3		TO15
32	TO15	1,2-Dichloropropane	0.924	ug/m3		TO15
33	TO15	Bromodichloromethane	1.34	ug/m3		TO15
34	TO15	1,4-Dioxane	0.721	ug/m3		TO15
35	TO15	Trichloroethene	1.07	ug/m3		TO15
36	TO15	2,2,4-Trimethylpentane	0.934	ug/m3		TO15
37	TO15	Heptane	0.82	ug/m3		TO15
38	TO15	cis-1,3-Dichloropropene	0.908	ug/m3		TO15
39	TO15	4-Methyl-2-pentanone	2.05	ug/m3		TO15
40	TO15	trans-1,3-Dichloropropene	0.908	ug/m3		TO15
41	TO15	1,1,2-Trichloroethane	1.09	ug/m3		TO15
42	TO15	Toluene	0.754	ug/m3		TO15
43	TO15	2-Hexanone	0.82	ug/m3		TO15
44	TO15	Dibromochloromethane	1.7	ug/m3		TO15
45	TO15	1,2-Dibromoethane	1.54	ug/m3		TO15

46	TO15	Tetrachloroethene	1.36	ug/m3		TO15
47	TO15	Chlorobenzene	0.921	ug/m3		TO15
48	TO15	Ethylbenzene	0.869	ug/m3		TO15
49	TO15	p/m-Xylene	1.74	ug/m3		TO15
50	TO15	Bromoform	2.07	ug/m3		TO15
51	TO15	Styrene	0.852	ug/m3		TO15
52	TO15	1,1,2,2-Tetrachloroethane	1.37	ug/m3		TO15
53	TO15	o-Xylene	0.869	ug/m3		TO15
54	TO15	4-Ethyltoluene	0.983	ug/m3		TO15
55	TO15	1,3,5-Trimethylbenzene	0.983	ug/m3		TO15
56	TO15	1,2,4-Trimethylbenzene	0.983	ug/m3		TO15
57	TO15	Benzyl chloride	1.04	ug/m3		TO15
58	TO15	1,3-Dichlorobenzene	1.2	ug/m3		TO15
59	TO15	1,4-Dichlorobenzene	1.2	ug/m3		TO15
60	TO15	1,2-Dichlorobenzene	1.2	ug/m3		TO15
61	TO15	1,2,4-Trichlorobenzene	1.48	ug/m3		TO15
62	TO15	Hexachlorobutadiene	2.13	ug/m3		TO15

Analyte	Units	Reporting Limit
Dichlorodifluoromethane	0.2	ppbV
Chloromethane	0.2	ppbV
Freon-114	0.2	ppbV
Vinyl chloride	0.2	ppbV
1,3-Butadiene	0.2	ppbV
Bromomethane	0.2	ppbV
Chloroethane	0.2	ppbV
Ethanol	5	ppbV
Vinyl bromide	0.2	ppbV
Acetone	1	ppbV
Trichlorofluoromethane	0.2	ppbV
Isopropanol	0.5	ppbV
1,1-Dichloroethene	0.2	ppbV
Methylene chloride	0.5	ppbV
3-Chloropropene	0.2	ppbV
Carbon disulfide	0.2	ppbV
Freon-113	0.2	ppbV
trans-1,2-Dichloroethene	0.2	ppbV
1,1-Dichloroethane	0.2	ppbV
Methyl tert butyl ether	0.2	ppbV
2-Butanone	0.5	ppbV
cis-1,2-Dichloroethene	0.2	ppbV
Ethyl Acetate	0.5	ppbV
Chloroform	0.2	ppbV
Tetrahydrofuran	0.5	ppbV
1,2-Dichloroethane	0.2	ppbV
n-Hexane	0.2	ppbV
1,1,1-Trichloroethane	0.2	ppbV
Benzene	0.2	ppbV
Carbon tetrachloride	0.2	ppbV
Cyclohexane	0.2	ppbV
1,2-Dichloropropane	0.2	ppbV
Bromodichloromethane	0.2	ppbV
1,4-Dioxane	0.2	ppbV
Trichloroethene	0.2	ppbV
2,2,4-Trimethylpentane	0.2	ppbV
Heptane	0.2	ppbV
cis-1,3-Dichloropropene	0.2	ppbV
4-Methyl-2-pentanone	0.5	ppbV
trans-1,3-Dichloropropene	0.2	ppbV
1,1,2-Trichloroethane	0.2	ppbV
Toluene	0.2	ppbV
2-Hexanone	0.2	ppbV
Dibromochloromethane	0.2	ppbV
1,2-Dibromoethane	0.2	ppbV



Tetrachloroethene	0.2	ppbV
Chlorobenzene	0.2	ppbV
Ethylbenzene	0.2	ppbV
p/m-Xylene	0.4	ppbV
Bromoform	0.2	ppbV
Styrene	0.2	ppbV
1,1,2,2-Tetrachloroethane	0.2	ppbV
o-Xylene	0.2	ppbV
4-Ethyltoluene	0.2	ppbV
1,3,5-Trimethylbenzene	0.2	ppbV
1,2,4-Trimethylbenzene	0.2	ppbV
Benzyl chloride	0.2	ppbV
1,3-Dichlorobenzene	0.2	ppbV
1,4-Dichlorobenzene	0.2	ppbV
1,2-Dichlorobenzene	0.2	ppbV
1,2,4-Trichlorobenzene	0.2	ppbV
Hexachlorobutadiene	0.2	ppbV